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## WHAT IS CLAIMED IS:

 A luminescence device, comprising: an organic compound layer comprising a metal coordination compound represented by the following formula (1):

$$M \begin{pmatrix} c_{yN} \\ l \\ c_{yC} \end{pmatrix}_{n}$$
(1),

wherein M denotes Ir. Rh or Pd: n is 2 or 3: CyN denotes a substituted or unsubstituted cyclic group containing a nitrogen atom connected to M and capable of containing another nitrogen atom and/or a sulfur atom: and CvC denotes a substituted or unsubstituted cyclic group containing a carbon atom connected to M and capable of containing a nitrogen atom and/or a sulfur atom, CyN and CyC being connected to each other via a covalent bond, and each of substituents for CyN and CyC being selected from the group consisting of a halogen atom; nitro group; a trialkylsilyl group containing three linear or branched alkyl groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two nonneighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=Cand capable of including a hydrogen atom which can be replaced with a fluorine atom; with the proviso that a sum of nitrogen atom and sulfur atom present in ring structures of CyN and CyC is at least 2.

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- 2. A device according to Claim 1, wherein the metal coordination compound of formula (1) has a molecular structure free from a portion substantially causing intramolecular rotation and exhibits a peak emission wavelength of at least 550 nm.
- 3. A device according to Claim 1, wherein the metal coordination compound of formula (1) contains a liquid having a dipole moment of at most 7 debye and exhibits a peak emission wavelength of at least 550 nm.
- A device according to Claim 3, wherein the ligand has a dipole moment of at most 4 debye.
- 5. A luminescence device, comprising an organic compound layer comprising a metal coordination compound, wherein the metal coordination compound has a molecular structure free from a portion substantially causing intramolecular rotation and exhibits a peak emission wavelength of at least 550 nm.
- 6. A luminescence device, comprising an organic compound layer comprising a metal coordination compound, wherein the metal coordination compound contains a liquid having a dipole moment of at most 7

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debye and exhibits a peak emission wavelength of at least 550 nm.

- A device according to Claim 6, wherein the
   ligand has a dipole moment of at most 4 debye.
  - 8. A device according to Claim 1, further comprising a pair of electrodes oppositely disposed to sandwich the organic compound layer, wherein a voltage is applied between the pair of electrodes to cause luminescence.
  - A display apparatus, comprising: a luminescence device according to Claim 1 and drive means for driving the luminescence device.
  - 10. A metal coordination compound, adapted for use in a luminescence device, represented by the following formula (1):

$$M \begin{cases} CyN \\ CyC \end{cases} n$$
(1),

wherein M denotes Ir, Rh or Pd; n is 2 or 3; CyN denotes a substituted or unsubstituted cyclic group containing a nitrogen atom connected to M and capable of containing another nitrogen atom and/or a sulfur atom; and CyC denotes a substituted or unsubstituted cyclic group containing a carbon atom connected to M

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and capable of containing a nitrogen atom and/or a sulfur atom, CyN and CyC being connected to each other via a covalent bond, and each of substituents for CyN and CyC being selected from the group consisting of a halogen atom; nitro group; a trialkylsilyl group containing three linear or branched alkyl groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two nonneighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C- and capable of including a hydrogen atom which can be replaced with a fluorine atom; with the proviso that a sum of nitrogen atom and sulfur atom present in ring structures of CyN and CyC is at least 2.

- 11. A compound according to Claim 10, which has a molecular structure free from a portion substantially causing intramolecular rotation and exhibits a peak emission wavelength of at least 550 nm.
- 12. A compound according to Claim 10, which contains a liquid having a dipole moment of at most 7 debye and exhibits a peak emission wavelength of at least 550 nm.
  - 13. A compound according to Claim 12, wherein the

ligand has a dipole moment of at most 4 debye.

- 14. A metal coordination compound adapted for use in a luminescence device, having a molecular structure free from a portion substantially causing intramolecular rotation and exhibiting a peak emission wavelength of at least 550 nm.
  - 15. A metal coordination compound adapted for use in a luminescence device, containing a ligand having a dipole moment of at most 7 debye and exhibiting a peak emission wavelength of at least 550 nm.
  - 16. A compound according to Claim 15, wherein the ligand has a dipole moment of at most 4 debye.

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